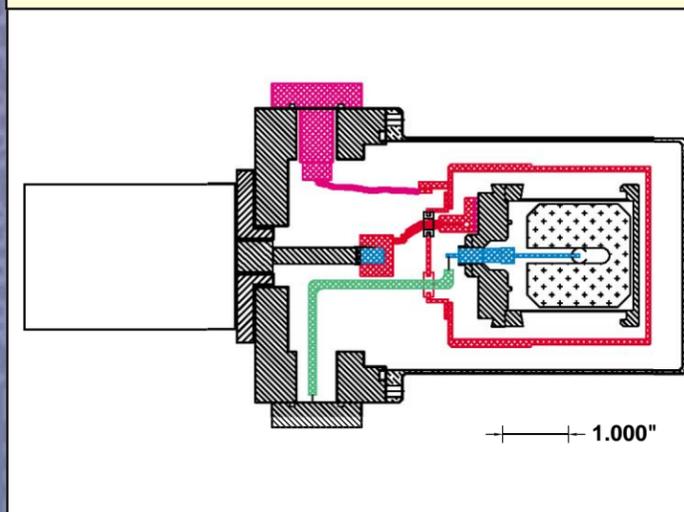


# Cryo 3: Portable Gamma-Ray Spectrometer

## Bringing the resolution of Ge spectrometers to the field

Cryo 3 Concept



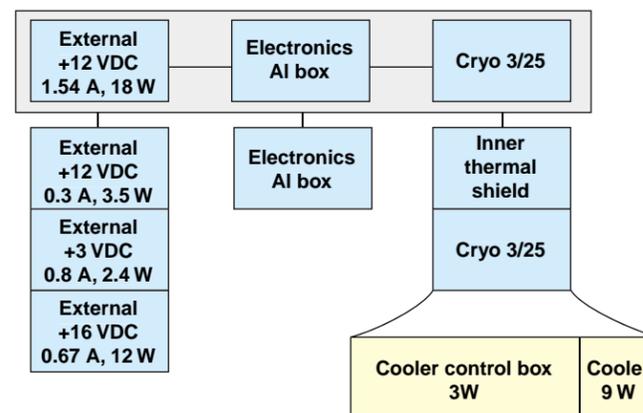
Cryo 3/25 Components



Cryo 3/25 Ge Spectrometer

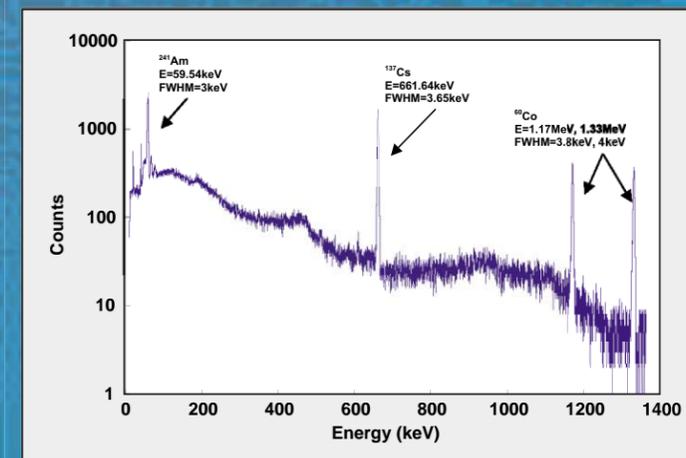


Approximate power budget — Cryo 3/25



### Applications

- Borders
- Ports
- Material identification
  - Medical
  - SNM
  - Industrial
- STP
- Safeguards
  - Domestic
  - International
- Rapid response teams



### Points of Contact:

Technology:



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Technology Transfer:

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- Availability
  - In 10's, pending commercialization
- Cost is quantity dependent
  - Coolers are expensive in single units
- Path forward (Pending funding)
  - Improved resolution via cooled FET
  - Significantly larger detectors via Tandem cooler